

CLAIMS

5 What is claimed is:

1. A method for generating a locale-sensitive version of a Java application, the method comprising:

determining whether a JAR (Java Archive) file

10 comprises a first resource bundle, wherein the resource bundle comprises a plurality of key-value pairs, wherein a key-value pair has a key that identifies a text string;

in response to determining that the JAR file comprises a first resource bundle, retrieving a set of text strings from the first resource bundle;

receiving a set of translated text strings corresponding to a subset of the set of text strings from the first resource bundle;

generating a second resource bundle comprising the set of translated text strings; and

storing the second resource bundle in the JAR file.

2. The method of claim 1, wherein the step of determining whether a JAR file comprises a first resource bundle further comprises:

obtaining a list of entries in the JAR file; and

determining whether the JAR file comprises at least one Java ".class" entry.

3. The method of claim 2 further comprising:
in response to a determination that the JAR file
comprises at least one Java ".class" entry, attempting to
load a class associated with the Java ".class" entry
5 using the " ResourceBundle.getBundle()" method; and
in response to a successful load of the class
associated with the Java ".class" entry, providing a
positive indication for the determination that the JAR
file comprises a first resource bundle.

10

4. The method of claim 1, wherein the step of
determining whether a JAR file comprises a first resource
bundle further comprises:

obtaining a list of entries in the JAR file; and
determining whether the JAR file comprises at least
one Java ".properties" entry.

5. The method of claim 4 further comprising:
in response to a determination that the JAR file
comprises at least one Java ".properties" entry,
providing a positive indication for the determination
that the JAR file comprises a first resource bundle.

6. The method of claim 1 further comprising:
25 presenting an untranslated text string from the set
of text strings from the first resource bundle within an
editable field within a window; and
receiving user input for a translated text string
corresponding to the untranslated text string.

30

40001727 20080202 00000000000000000000000000000000

7. The method of claim 1 further comprising:
naming the second resource bundle in accordance with
a language for the translated text strings and naming
convention rules for resource bundles.

5

8. The method of claim 1 further comprising:
extracting a copy of the first resource bundle from
the JAR file; and
storing the copy of the first resource bundle in an
external file.

10

2020 RELEASE UNDER E.O. 14176

9. An apparatus for generating a locale-sensitive version of a Java application, the apparatus comprising:

means for determining whether a JAR (Java Archive) file comprises a first resource bundle, wherein the
5 resource bundle comprises a plurality of key-value pairs, wherein a key-value pair has a key that identifies a text string;

means for retrieving a set of text strings from the first resource bundle in response to determining that the
10 JAR file comprises a first resource bundle;

means for receiving a set of translated text strings corresponding to a subset of the set of text strings from the first resource bundle;

means for generating a second resource bundle comprising the set of translated text strings; and

means for storing the second resource bundle in the JAR file.

10. The apparatus of claim 9, wherein the means for determining whether a JAR file comprises a first resource bundle further comprises:

means for obtaining a list of entries in the JAR file; and

25 means for determining whether the JAR file comprises at least one Java ".class" entry.

SEARCHED  INDEXED  COPIED  SERIALIZED 

11. The apparatus of claim 10 further comprising:

means for attempting to load a class associated with
the Java ".class" entry using the
"ResourceBundle.getBundle()" method in response to a
determination that the JAR file comprises at least one
Java ".class" entry; and

means for providing a positive indication for the
determination that the JAR file comprises a first
resource bundle in response to a successful load of the
class associated with the Java ".class" entry.

10 12. The apparatus of claim 9, wherein the means for
determining whether a JAR file comprises a first resource
bundle further comprises:

means for obtaining a list of entries in the JAR
file; and

means for determining whether the JAR file comprises
at least one Java ".properties" entry.

20 13. The apparatus of claim 12 further comprising:

means for providing a positive indication for the
determination that the JAR file comprises a first
resource bundle in response to a determination that the
JAR file comprises at least one Java ".properties" entry.

25 14. The apparatus of claim 9 further comprising:

means for presenting an untranslated text string
from the set of text strings from the first resource
bundle within an editable field within a window; and

30 means for receiving user input for a translated text
string corresponding to the untranslated text string.

SEARCHED  SERIALIZED  INDEXED  FILED 

15. The apparatus of claim 9 further comprising:
means for naming the second resource bundle in
accordance with a language for the translated text
strings and naming convention rules for resource bundles.

16. The apparatus of claim 9 further comprising:
means for extracting a copy of the first resource
bundle from the JAR file; and
means for storing the copy of the first resource
bundle in an external file.

17. A computer program product in a computer-readable medium for use in a data processing system for generating a locale-sensitive version of a Java application, the computer program product comprising:

5 instructions for determining whether a JAR (Java Archive) file comprises a first resource bundle, wherein the resource bundle comprises a plurality of key-value pairs, wherein a key-value pair has a key that identifies a text string;

10 instructions for retrieving a set of text strings from the first resource bundle in response to determining that the JAR file comprises a first resource bundle;

15 instructions for receiving a set of translated text strings corresponding to a subset of the set of text strings from the first resource bundle;

20 instructions for generating a second resource bundle comprising the set of translated text strings; and

25 instructions for storing the second resource bundle in the JAR file.

18. The computer program product of claim 17, wherein the instructions for determining whether a JAR file comprises a first resource bundle further comprises:

20 instructions for obtaining a list of entries in the JAR file; and

25 instructions for determining whether the JAR file comprises at least one Java ".class" entry.

19. The computer program product of claim 18 further comprising:

instructions for attempting to load a class associated with the Java ".class" entry using the "ResourceBundle.getBundle()" method in response to a determination that the JAR file comprises at least one Java ".class" entry; and

instructions for providing a positive indication for the determination that the JAR file comprises a first resource bundle in response to a successful load of the class associated with the Java ".class" entry.

20. The computer program product of claim 17, wherein the instructions for determining whether a JAR file comprises a first resource bundle further comprises:

instructions for obtaining a list of entries in the JAR file; and

instructions for determining whether the JAR file comprises at least one Java ".properties" entry.

21. The computer program product of claim 20 further comprising:

instructions for providing a positive indication for the determination that the JAR file comprises a first resource bundle in response to a determination that the JAR file comprises at least one Java ".properties" entry.

22. The computer program product of claim 17 further comprising:

instructions for presenting an untranslated text string from the set of text strings from the first resource bundle within an editable field within a window;
5 and

instructions for receiving user input for a translated text string corresponding to the untranslated text string.

10

23. The computer program product of claim 17 further comprising:

instructions for naming the second resource bundle in accordance with a language for the translated text strings and naming convention rules for resource bundles.
15

24. The computer program product of claim 17 further comprising:

instructions for extracting a copy of the first
20 resource bundle from the JAR file; and

instructions for storing the copy of the first resource bundle in an external file.

SEARCHED SERIALIZED INDEXED OMB FILED

20